

# Index to Volume 15, 1978

- Acetate, measurement in aqueous solutions and plasma by gas phase chromatography using porous polymer stationary phase, **228**
- N-Acetyl- $\beta$ -D-glucosaminidase and lysozyme, urinary excretion in diagnosis of renal allograft rejection, **253**
- Acidosis, origin in hyperlactaemia, **40**
- ADAM, T., *see* ROULSTON, J. E. *et al.*
- AHERNE, G. W., *see* MOULD, G. P. *et al.*
- AHERNE, W., PIALI, E., and MARKS, V.: Radioimmunoassay of methotrexate: use of  $^{75}\text{Se}$ -labelled methotrexate, **331**
- AL-ANI, D. T., *see* FRANCOIS, P. E. *et al.*
- Albumin preparations, comparative study of human and bovine, **31**
- ALBUTT, E. C., *see* SPENCER, J. D., and ALBUTT, E. C.
- Alcohol, intake, effect on biochemical and haematological laboratory tests, **297**
- Alcohol intake, estimation from laboratory results, **304**
- Alcohol-related illness, detection and incidence in B and C vitamin deficiency in, **307**
- Alkaline phosphatase, automated version of Kind and King version, anomalous behaviour of control sera, **164**
- Alkaline phosphatase isoenzymes and 25-hydroxyvitamin D plasma values in hyperthyroidism, **320**
- Alkaline phosphatase, plasma, elevated, in non-jaundiced patients, **86**
- ALLARD, D., PARVY, P., CASTETS, J. C., HUANG, Y., and KAMOUN, P.: Assay of tissue free cystine: application to the diagnosis of cystinosis, **161**
- ALM, J., HAGENFELDT, L., and LARSSON, A.: Concentrations of organic acids in the urine of healthy newborn children, **245**
- Alpha-fetoprotein, maternal serum, optimised radioimmunoassay using polyethylene glycol, **213**
- Amitriptyline and nortriptyline in body fluids, radioimmunoassay, **221**
- Ammonium, optimal conditions for estimation by Berthelot reaction, **270**
- Amniotic fluid, noradrenaline to adrenaline ratio in as an index of fetal maturity, **157**
- Analysers, multichannel, limited protocol for assessment of within-batch performance, **12**
- Angiotensin, plasma status, measurement of plasma renin activity as a valid estimation, **250**
- Anticonvulsant drugs, effect on urinary excretion of  $\gamma$ -glutamyl transferase in women, **313**
- ATTWOOD, E. C. *see* SEDDON, R. M. and ATTWOOD, E. C.
- AUSTIN, R. F., *see* SMITH, A. M. *et al.*
- Automated calculation, assessment of method, **127**
- Automated calculation of radioimmunoassay results **123**
- Automated calculation, RIA results, modular programme, **129**
- Automated versions of Kind and King alkaline phosphatase method, anomalous behaviour of control sera in, **164**
- BAINES, M.: Detection and incidence of B and C vitamin deficiency in alcohol-related illness, **307**
- BAIRD, S. G., THOMSON, J. E., THOMSON, J. A., WATSON, R., LOGUE, F., and BEASTALL, G. H.: Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford Stat<sub>4</sub>), **208**
- BATES, D., *see* LANDON, M. J. *et al.*
- BEASTALL, G. H., *see* BAIRD, S. G. *et al.*
- BEASTALL, G. H., *see* LOGUE, F. C. *et al.*
- BECK, P. R.: Butanol extraction of serum and urinary gamma-glutamyltransferase and its application to clinical diagnosis, **151**
- BELL, J., *see* GORDON, S. A. *et al.*
- BELL, T. K., and LAPPIN, T. R. J.: A chemiluminescent effect encountered in the liquid scintillation counting of  $^{32}\text{P}$  phosphate, **37**
- Berthelot reaction, optimal conditions for estimation of ammonium by, **270**
- BIEGLER, B., *see* FARRANCE, I. *et al.*
- Body fluids, *see* Fluids, body
- BOOK REVIEWS
- BERGMEYER, U., editor: *Principles of enzymatic analysis*, 1978, **341**
- BUTT, W. R.: *Hormone chemistry*. Volume 2, *Steroid and miscellaneous hormones*, 2nd ed., 1977, **92**
- CLAMP, J. R.: *Mucus*, *British Medical Bulletin*, vol. 34, No. 1, 1978, **244**
- FERSHT, A.: *Enzyme structure and mechanism*, 1978, **156**
- GLYNN, L. E., and STEWARD, M. W., editors: *Immunochemistry: and advanced textbook*, 1970, **291**
- KELLY, S.: *Biochemical methods in medical genetics*, 1977, **243**
- KOEHLER, J. K. editor: *Advanced techniques in biological electron microscopy*, II. *Specific ultrastructural probes*, 1978, **340**
- KRUSE-JARRIES, J. D., and MOLNAR, G. D., editors: *Blood glucose monitoring: Hormone and metabolic research supplement series no. 7*, 1977, **30**
- LANDSBERG, L., editor: *Catecholamines: Clinics in Endocrinology and Metabolism*, Vol. 6, No. 3, 1977, **243**
- MCGOWAN, G. K., and WALTERS, G. editors: *Hypothalamic and pituitary hormones*, 1977, **244**
- MARKS, V., and HALES, C. N.: *Essays in medical biochemistry*, Vol 2, 1976, **36**
- MELCHERS, F., and RAJEWSKY, K.: *The immune system*, 1976, **291**
- PARKER, C. W.: *Radioimmunoassay of biological compounds*, 1976, **36**
- ROUTH, J. I., EYMAN, D. P., and BURTON, D. J.: *Essentials of general, organic and biochemistry*, 3rd ed., 1977, **156**
- SABINE, J. R.: *Cholesterol*, 1977, **243**
- SCHWARZ, V.: *A Clinical companion to biochemical studies*, 1978, **340**
- SIEGEL, M. R., and SISLER, H. D.: editors: *Antifungal compounds*, 1978, **243**
- SIEST, G., and YOUNG, D. S., editors: *Drug interference and drug measurement in clinical chemistry*, 1976, **30**
- TATTERSALL, R., editor: *Clinics in endocrinology and metabolism*, Vol. 6, No. 2, *Diabetes*, 1977, **92**
- VAN LANCCKER, J. L.: *Molecules, cells and disease*, 1978, **340**
- VARLEY, H., GOWENLOCK, A. H., and BELL, M.: *Practical clinical biochemistry*, Volume 2, *Hormones, vitamins, drugs and poisons*, 5th ed., 1976, **48**
- WILLS, M. R.: *Metabolic consequences of chronic renal failure*, 2nd ed. 1978 **341**
- BROWN, I. R. F., *see* CLEEVE, H. J. W., and BROWN, I. R. F.
- BRYANT, J., *see* WILKINS, T. A. *et al.*

# Index to Volume 15, 1978

- Acetate, measurement in aqueous solutions and plasma by gas phase chromatography using porous polymer stationary phase, **228**
- N-Acetyl- $\beta$ -D-glucosaminidase and lysozyme, urinary excretion in diagnosis of renal allograft rejection, **253**
- Acidosis, origin in hyperlactaemia, **40**
- ADAM, T., *see* ROULSTON, J. E. *et al.*
- AHERNE, G. W., *see* MOULD, G. P. *et al.*
- AHERNE, W., PIALI, E., and MARKS, V.: Radioimmunoassay of methotrexate: use of  $^{75}\text{Se}$ -labelled methotrexate, **331**
- AL-ANI, D. T., *see* FRANCOIS, P. E. *et al.*
- Albumin preparations, comparative study of human and bovine, **31**
- ALBUTT, E. C., *see* SPENCER, J. D., and ALBUTT, E. C.
- Alcohol, intake, effect on biochemical and haematological laboratory tests, **297**
- Alcohol intake, estimation from laboratory results, **304**
- Alcohol-related illness, detection and incidence in B and C vitamin deficiency in, **307**
- Alkaline phosphatase, automated version of Kind and King version, anomalous behaviour of control sera, **164**
- Alkaline phosphatase isoenzymes and 25-hydroxyvitamin D plasma values in hyperthyroidism, **320**
- Alkaline phosphatase, plasma, elevated, in non-jaundiced patients, **86**
- ALLARD, D., PARVY, P., CASTETS, J. C., HUANG, Y., and KAMOUN, P.: Assay of tissue free cystine: application to the diagnosis of cystinosis, **161**
- ALM, J., HAGENFELDT, L., and LARSSON, A.: Concentrations of organic acids in the urine of healthy newborn children, **245**
- Alpha-fetoprotein, maternal serum, optimised radioimmunoassay using polyethylene glycol, **213**
- Amitriptyline and nortriptyline in body fluids, radioimmunoassay, **221**
- Ammonium, optimal conditions for estimation by Berthelot reaction, **270**
- Amniotic fluid, noradrenaline to adrenaline ratio in as an index of fetal maturity, **157**
- Analysers, multichannel, limited protocol for assessment of within-batch performance, **12**
- Angiotensin, plasma status, measurement of plasma renin activity as a valid estimation, **250**
- Anticonvulsant drugs, effect on urinary excretion of  $\gamma$ -glutamyl transferase in women, **313**
- ATTWOOD, E. C. *see* SEDDON, R. M. and ATTWOOD, E. C.
- AUSTIN, R. F., *see* SMITH, A. M. *et al.*
- Automated calculation, assessment of method, **127**
- Automated calculation of radioimmunoassay results **123**
- Automated calculation, RIA results, modular programme, **129**
- Automated versions of Kind and King alkaline phosphatase method, anomalous behaviour of control sera in, **164**
- BAINES, M.: Detection and incidence of B and C vitamin deficiency in alcohol-related illness, **307**
- BAIRD, S. G., THOMSON, J. E., THOMSON, J. A., WATSON, R., LOGUE, F., and BEASTALL, G. H.: Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford Stat<sub>4</sub>), **208**
- BATES, D., *see* LANDON, M. J. *et al.*
- BEASTALL, G. H., *see* BAIRD, S. G. *et al.*
- BEASTALL, G. H., *see* LOGUE, F. C. *et al.*
- BECK, P. R.: Butanol extraction of serum and urinary gamma-glutamyltransferase and its application to clinical diagnosis, **151**
- BELL, J., *see* GORDON, S. A. *et al.*
- BELL, T. K., and LAPPIN, T. R. J.: A chemiluminescent effect encountered in the liquid scintillation counting of  $^{32}\text{P}$  phosphate, **37**
- Berthelot reaction, optimal conditions for estimation of ammonium by, **270**
- BIEGLER, B., *see* FARRANCE, I. *et al.*
- Body fluids, *see* Fluids, body
- BOOK REVIEWS
- BERGMEYER, U., editor: *Principles of enzymatic analysis*, 1978, **341**
- BUTT, W. R.: *Hormone chemistry*. Volume 2, *Steroid and miscellaneous hormones*, 2nd ed., 1977, **92**
- CLAMP, J. R.: *Mucus*, *British Medical Bulletin*, vol. 34, No. 1, 1978, **244**
- FERSHT, A.: *Enzyme structure and mechanism*, 1978, **156**
- GLYNN, L. E., and STEWARD, M. W., editors: *Immunochemistry: and advanced textbook*, 1970, **291**
- KELLY, S.: *Biochemical methods in medical genetics*, 1977, **243**
- KOEHLER, J. K. editor: *Advanced techniques in biological electron microscopy*, II. *Specific ultrastructural probes*, 1978, **340**
- KRUSE-JARRIES, J. D., and MOLNAR, G. D., editors: *Blood glucose monitoring: Hormone and metabolic research supplement series no. 7*, 1977, **30**
- LANDSBERG, L., editor: *Catecholamines: Clinics in Endocrinology and Metabolism*, Vol. 6, No. 3, 1977, **243**
- MCGOWAN, G. K., and WALTERS, G. editors: *Hypothalamic and pituitary hormones*, 1977, **244**
- MARKS, V., and HALES, C. N.: *Essays in medical biochemistry*, Vol 2, 1976, **36**
- MELCHERS, F., and RAJEWSKY, K.: *The immune system*, 1976, **291**
- PARKER, C. W.: *Radioimmunoassay of biological compounds*, 1976, **36**
- ROUTH, J. I., EYMAN, D. P., and BURTON, D. J.: *Essentials of general, organic and biochemistry*, 3rd ed., 1977, **156**
- SABINE, J. R.: *Cholesterol*, 1977, **243**
- SCHWARZ, V.: *A Clinical companion to biochemical studies*, 1978, **340**
- SIEGEL, M. R., and SISLER, H. D.: editors: *Antifungal compounds*, 1978, **243**
- SIEST, G., and YOUNG, D. S., editors: *Drug interference and drug measurement in clinical chemistry*, 1976, **30**
- TATTERSALL, R., editor: *Clinics in endocrinology and metabolism*, Vol. 6, No. 2, *Diabetes*, 1977, **92**
- VAN LANCCKER, J. L.: *Molecules, cells and disease*, 1978, **340**
- VARLEY, H., GOWENLOCK, A. H., and BELL, M.: *Practical clinical biochemistry*, Volume 2, *Hormones, vitamins, drugs and poisons*, 5th ed., 1976, **48**
- WILLS, M. R.: *Metabolic consequences of chronic renal failure*, 2nd ed. 1978 **341**
- BROWN, I. R. F., *see* CLEEVE, H. J. W., and BROWN, I. R. F.
- BRYANT, J., *see* WILKINS, T. A. *et al.*

- BRYDEN, D., *see* WHITFIELD, J. B. *et al.*  
 BURNS, R. F., *see* MCLELLAND, A. S. *et al.*  
 Butanol extraction of serum and urinary gamma-glutamyl-transferase and its applications in clinical diagnosis, 151  
 Cadmium, blood concentrations, significance in renal disorders or essential hypertension, and the normal population, 197  
 Caeruloplasmin: a plasma protein, enzyme and antioxidant, 293  
 Carbamazepine and phenytoin, enzyme multiplied immunoassay using Centrifichem analyser, 335  
 CASTETS, J. C., *see* ALLARD, D. *et al.*  
 Catecholamines, urinary, rapid semiautomated method for differential determination, 93  
 CECHINEL, Y., *see* OWEN, J. S. *et al.*  
 Centrifichem analyser for enzyme multiplied immunoassay of phenytoin and carbamazepine, 335  
 CHADNEY, D. C., *see* WILKINS, T. A. *et al.*  
 CHALLAND, G. S.: Automated calculation of radio-immunoassay results, 123  
 CHALLAND, G. S., and COX, L.: Identification of an unusual gamma counter fault using Trigg's technique for trend detection, 117  
 Chemiluminescent effect encountered in the liquid scintillation counting of  $^{32}\text{P}$  phosphate, 37  
 Cholesteryl ester, determination of the proportion in plasma, 226  
 Chromatography, gas phase using porous polymer stationary phase, measurement of acetate in aqueous solutions and plasma using, 228  
 Chromatography, thin layer, rapid, use in quantitative estimation of clinically important monosaccharides in plasma, 65  
 Chrysotherapy, distribution of gold in blood in, 324  
 CLEEVE, H. J. W.: Origin of an elevated plasma alkaline phosphatase activity in non-jaundiced patients, 86  
 CLEEVE, H. J. W., and BROWN, I. R. F.: Plasma 25-hydroxy-vitamin D and alkaline phosphatase isoenzymes in hyperthyroidism, 320  
 Colorimetric determination of inorganic phosphate, evaluation of kit, 261  
 Competitive protein binding (Stat.) and radioimmunoassay, discrepancies between in thyroxine measurement in pregnancy, 208  
 Computerised clinical chemical laboratory, dealing with special problems, 276  
 Computers, laboratory, in work scheduling and ward requesting pattern information system, 235  
*See also* Automated  
 Continuous flow systems, description of an inexpensive peak height reader for use with, 233  
 Cortisol, 'free', urinary, modification of Cortipac procedure for estimation, 115  
 Cortisol in serum, radioimmunoassay, simple and economical method, 178  
 COTES, P. M., *see* DAS, R. E. G., and COTES, P. M.  
 COX, L., *see* CHALLAND, G. S., and COX, L.  
 Curve fitting, non linear least squares, of a simple theoretical model using a mini-computer, 130  
 Cystine, tissue free, assay, application to diagnosis of cystinosis, 161  
 Cystinosis, diagnosis, assay of tissue free cystine, 161  
 DAS, R. E. G., and COTES, P. M.: Comparison of radioimmunoassay dose response curves: calibration of standards, 126  
 DAVIES, A. G., *see* ROBERTS, R. G. *et al.*  
 DENNIS, P. M., *see* FARRANCE, I. *et al.*  
 Deoxycytidylate deaminase, serum activity after myocardial infarction, 316  
 Diagnostic kits, scheme for the evaluation, 136  
 Digoxin, Scottish Immunoassay Support Service Quality Control Scheme, first 18 months' experience, 203  
 Drift correction, comparative evaluation of some alternatives, 281  
 Drinking habits, estimation of intake from laboratory results, 304  
 Drinking habits, laboratory correlates, 297  
 Drug interference causing misinterpretation of laboratory results, 44  
 Drugs, enzyme induction by, its relevance to clinical biochemistry, 55  
 EDWARDS, R., and ROKOS, J.: How should an automated calculation method be assessed? 127  
 EDWARDS, R., *see also* SANDERS, P. G., and EDWARDS, R.  
 EKINS, R. P., and MALAN, P. G.: Identification of outliers, 125  
 ELLIS, L., MCSWINEY, R. R., and TUCKER, S. M.: Urinary excretion of lysozyme and *N*-acetyl- $\beta$ -D-glucosaminidase in the diagnosis of renal allograft rejection, 253  
 Enzyme induction by drugs, its relevance to clinical biochemistry, 55  
 Enzyme multiplied immunoassay of phenytoin and carbamazepine using the Centrifichem analyser, 335  
 FARRANCE, I., DENNIS, P. M., GIBSON, B. J., and BIEGLER, B.: A comparative study of commercial human and bovine albumin preparations, 31  
 Ferritin, serum, measurement by radioimmunoassay, 102  
 Fetal maturity, noradrenaline to adrenaline ratio in amniotic fluid as an index to, 157  
 FISHER, M., *see* WARD, R. J. *et al.*  
 FLECK, A., *see* GORDON, S. A., *et al.*  
 FLECK, A., *see* MCLELLAND, A. S., and FLECK, A.  
 FLECK, A., *see* MCLELLAND, A. S. *et al.*  
 FLEETWOOD, J. A., *see* MULLIGAN, F. A. *et al.*  
 Fluids, body, amitriptyline and nortriptyline, radioimmunoassay, 221  
 FRANCOIS, P. E., GOLDBERG, I. J. L., LAWTON, K., AL-ANI, D. T., and REDDING, J. H.: Distribution of gold in blood during chrysotherapy, 324  
 FRASER, C. G., and FUDGE, A. N.: Comparison of three kits for the enzymatic determination of urea, 265  
 FRASER, C. G., FUDGE, A. N., and PENBERTHY, L. A.: Evaluation of precision using lyophilised quality control materials: technical note, 121  
 FRASER, C. G., and PEAKE, M. J.: Evaluation of a kit for the colorimetric determination of inorganic phosphate, 261  
 FUDGE, A. N., *see* FRASER, C. G., and FUDGE, A. N.  
 FUDGE, A. N., *see* FRASER, C. G. *et al.*  
 GALLAGHER, H., *see* WHITFIELD, J. B. *et al.*  
 Gamma counter fault, identified by using Trigg's technique for trend detection, 117  
 Gamma-glutamyl transferase, effect of anticonvulsant drugs on urinary excretion on, in women, 313  
 Gamma-glutamyl transferase, serum and urinary, butanol extraction, and its application in clinical diagnosis, 151  
 Gamma-glutamyl transferase isoenzymes, techniques for the localisation after electrophoresis, 146  
 Gastric inhibitory polypeptide, radioimmunoassay, 172  
 GIBSON, B. J., *see* FARRANCE, I. *et al.*  
 GIBSON, P., *see* UNDRILL, P. E., and GIBSON, P.  
 Gold, distribution in blood chrysotherapy, 324  
 GOLDBERG, I. J. L., *see* FRANCOIS, P. E. *et al.*  
 GOLDIE, D. J., and THOMAS, M. J.: Measurement of serum ferritin by radioimmunoassay, 102  
 GOODLAND, F. C., *see* POSTLE, A. D., and GOODLAND, F. C.  
 GORDON, S. A., FLECK, A., and BELL, J.: Optimal conditions for the estimation of ammonium by the Berthelot reaction, 270  
 GOWENLOCK, A. H., *see* KHADEMPUR, M. H. *et al.*

- Guanosine-3'5'-cyclic phosphate, in blood plasma and urine, direct measurement by radioimmunoassay, **25**
- GUTTERIDGE, J. M. C.: Caeruloplasmin: a plasma protein, enzymes and antioxidant, **293**
- HAGENFELDT, L., *see* ALM, J. *et al.*
- HATCH, U., *see* WOODMAN, D. D. *et al.*
- HENSLEY, W. J., *see* WHITFIELD, J. B. *et al.*
- HOBBS, J. R., *see* WHICHER, J. T. *et al.*
- HUANG, Y., *see* ALLARD, D. *et al.*
- 11-Hydroxycorticosteroids, free, urinary, and total oestrogens, excretory patterns throughout the normal menstrual cycle, **201**
- 15 $\alpha$ -Hydroxyoestriol and other polar oestrogens in pregnancy monitoring, review, **1**
- 25-Hydroxyvitamin D and alkaline phosphatase isoenzymes plasma values, in hyperthyroidism, **320**
- Hyland laser nephelometer PDQ system, evaluation for measurement of immunoglobulins, **77**
- Hyperlactaemia, origin of acidosis in, **40**
- Hypertension, essential, significance of blood cadmium concentrations, and the normal population, **197**
- Hyperthyroidism, plasma 25-hydroxyvitamin D and alkaline phosphatase isoenzymes in hyperthyroidism, **320**
- Immunoglobulins, evaluation of Hyland laser nephelometer PDQ system for measurement, **77**
- Intraperson variability, magnitude, source, and influence on interpretation and diagnosis, **49**
- JEFFCOATE, S. L.: Is automated calculation of results necessary? **123**
- JOMAIN, P. A., and OWEN, J. A.: Dealing with specimen problems in a computerised clinical chemistry laboratory, **276**
- JONES, D. D., *see* ROBERTS, R. G. *et al.*
- KAMOUN, P., *see* ALLARD, D. *et al.*
- KHADEMPOUR, M. H., LAING, I., and GOWENLOCK, A. H.: An optimised radioimmunoassay for maternal serum  $\alpha_1$ -fetoprotein using polyethylene glycol, **213**
- Kind and King alkaline phosphatase method, automated version, anomalous behaviour of control sera in, **164**
- KIRKLEY, M. *see* LANDON, M. J. *et al.*
- KNIGHT, R. A., *see* PARKER, J. H., and KNIGHT, R. A.
- LAING, I., *see* KHADEMPOUR, M. H. *et al.*
- LAKER, M. F., and MANSELL, M. A.: Measurement of acetate in aqueous solutions and plasma by gas phase chromatography using a porous polymer stationary phase, **228**
- LANDON, M. J., BATES, D., KIRKLEY, M., and VENABLES, G.: Effect of anticonvulsant drugs on urinary excretion of  $\gamma$ -glutamyl transferase in women, **313**
- LAPPIN, T. R. J., *see* BELL, T. K., and LAPPIN, T. R. J.
- LARSSON, A., *see* ALM, J. *et al.*
- LAWTON, K., *see* FRANCOIS, P. E. *et al.*
- Lipase, serum, automation of turbidimetric determination, **326**
- LKB-Wallac 1270 Rackgamma RIA package, evaluation, **128**
- LODY, P. H.: A scheme for the evaluation of diagnostic kits: technical bulletin no. 39, **136**
- LOGUE, F., *see* BAIRD, S. G. *et al.*
- LOGUE, F. C., MCELWEE, G., BEASTALL, G. H., and RATCLIFFE, J. G.: Evaluation of the LKB-Wallac 1270 Rackgamma RIA package, **128**
- LOGUE, F. C., *see* RATCLIFFE, W. A. *et al.*
- LONGLANDS, M. G., and WIENER, K.: Anomalous behaviour of control sera in automated versions of the Kind and King alkaline phosphatase method, **164**
- Lyophilised quality control materials in evaluation of precision, technical note, **121**
- Lysozyme and N-acetyl- $\beta$ -D-glucosaminidase, urinary excretion in diagnosis of renal allograft rejection, **253**
- MCELWEE, G., *see* LOGUE, F. C. *et al.*
- MCGILP, I., *see* WALKER, M. S., and MCGILP, I.
- MCGREGOR, G. A., *see* ROULSTON, J. E. *et al.*
- MCLELLAND, A. S., and FLECK, A.: Drift correction—a comparative evaluation of some alternatives, **281**
- MCLELLAND, A. S., FLECK, A., and BURNS, R. F.: A limited protocol for assessment of within-batch performance of multichannel analysers, **12**
- MCSWINEY, R. R., *see* ELLIS, L. *et al.*
- MALAN, P. G., *see* EKINS, R. P., and MALAN, P. G.
- Maltase, interference in assay in tissue biopsy specimens, **91**
- MANSELL, M. A., *see* LAKER, M. F., and MANSELL, M. A.
- MARKANDU, D., *see* ROULSTON, J. E. *et al.*
- MARKS, V., *see* AHERNE, W. *et al.*
- MARKS, V., *see* MORGAN, L. M. *et al.*
- MARKS, V., *see* MOULD, G. P., *et al.*
- MARSHALL, W. J.: Enzyme induction by drugs: its relevance to clinical biochemistry, **55**
- MEDEIROS, J. S., *see* OWEN, J. S. *et al.*
- Meglumine ioglycamide concentrations, urinary, simple method for measuring, **184**
- Menstrual cycle, normal, excretory patterns of urinary free 11-hydroxycorticosteroids and total oestrogens throughout, **201**
- MENZIES, I. S., MOUNT, J. N., and WHEELER, M. J.: Quantitative estimation of clinically important monosaccharides in plasma by rapid thin layer chromatography, **65**
- Methotrexate, radioimmunoassay, use of  $^{75}\text{Se}$ -labelled methotrexate, **331**
- Modular programme for automated calculation of RIA results, **129**
- Monosaccharides, clinically important, quantitative estimation in plasma, by rapid thin layer chromatography, **65**
- MORGAN, D. B.: Intraperson variability: magnitude, source, and influence on interpretation and diagnosis, **49**
- MORGAN, L. M., MORRIS, B. A., and MARKS, V.: Radioimmunoassay of gastric inhibitory polypeptide, **172**
- MORRIS, B. A., *see* MORGAN, L. M. *et al.*
- MORRIS, R.: A simple and economical method for the radioimmunoassay of cortisol in serum, **178**
- MOULD, G. P., STOUT, G., AHERNE, G. W., and MARKS, V.: Radioimmunoassay of amitriptyline and nortriptyline in body fluids, **221**
- MOUNT, J. N., *see* MENZIES, I. S. *et al.*
- MULLIGAN, F. A., FLEETWOOD, J. A., and SMITH, P. A.: Enzyme multiplied immunoassay of phenytoin and carbamazepine using the Centrifichem analyser, **335**
- Myocardial infarction, serum deoxycytidylate deaminase activity after, **316**
- Non-linear least squares curve fitting of a simple theoretical model using a mini-computer, **130**
- Noradrenaline to adrenaline ratio in amniotic fluid as an index of fetal maturity, **157**
- Nortriptyline and amitriptyline in body fluids, radioimmunoassay, **221**

- Oestriol, total urine, by a modification of a commercial plasma oestriol kit, 338
- Oestrogens, polar, in pregnancy monitoring, 1
- Oestrogens, total, and urinary free 11-hydroxycorticosteroids, excretory patterns throughout the normal menstrual cycle, 201
- On-line work scheduling and ward requesting pattern information system, 235
- Organic acids, concentrations in urine of healthy newborn children, 245
- Outliers, identification, 125
- OWEN, J. A., *see* JOMAIN, P. A., and OWEN, J. A.
- OWEN, J. S., MEDEIROS, J. S., RAMALHO, V., and CECINEL, Y.: Determination of proportion of cholesterol ester in plasma, 226
- PALMSTRÖM, S. H., *see* WILKINS, T. A. *et al.*
- Paracetamol, plasma, estimation, review of methods, 187
- PARKER, J. H., and KNIGHT, R. A.: Interference in the assay of maltase in tissue biopsy specimens, 91
- PARVY, P., *see* ALLARD, D. *et al.*
- Pco<sub>2</sub>, pH, and Po<sub>2</sub> measurements, comparison of two methods of quality control, 168
- Peak height reader for use with continuous flow systems, 233
- PEAKE, M. J., *see* FRASER, C. G., and PEAKE, M. J.
- PERRY, D. E., *see* WHICHER, J. T. *et al.*
- PENBERTHY, L. A., *see* FRASER, C. G. *et al.*
- pH, Pco<sub>2</sub>, and Po<sub>2</sub> measurements, comparison of two methods of quality control, 168
- Phenytoin and carbamazepine, enzyme multiplied immunoassay using Centrifichem analyser, 335
- Phosphate, inorganic, evaluation of kit for colorimetric determination, 261
- Phosphate, inorganic, improved automated method for analysis without dialysis, 109
- Phosphate, <sup>32</sup>P, chemiluminescent effect encountered in the liquid scintillation counting, 37
- PIALL, E., *see* AHERNE, W. *et al.*
- Po<sub>2</sub>, Pco<sub>2</sub>, and pH measurements, comparison of two methods of quality control, 168
- Polyethylene glycol, in radioimmunoassay for maternal serum alpha<sub>1</sub>-fetoprotein, 213
- Polypeptide, gastric inhibitory, radioimmunoassay, 172
- POSTLE, A. D., and GOODLAND, F. C.: Comparison of three automated methods of serum triglyceride analysis, 18
- Precision, evaluation using lyophilised quality control materials: technical note, 121
- Pregnancy monitoring, 15 $\alpha$ -hydroxyoestriol and other polar oestrogens, 1
- Pregnancy, thyroxine measurement in, discrepancies between radioimmunoassay and competitive protein binding (Oxford StaT<sub>4</sub>), 208
- PRICE, C. P., *see* WENHAM, P. R. *et al.*
- Protocol for assessment of within-batch performance of multichannel analysers, 12
- PUUKKA, M., and PUUKKA, R.: Automation of the turbidimetric determination of serum lipase, 326
- PUUKKA, R., *see* PUUKKA, M., and PUUKKA, R.
- RAAB, G.: A modular program for the automated calculation of radioimmunoassay results, 129
- Radioimmunoassay of amitriptyline and nortriptyline in body fluids, 221
- Radioimmunoassay for alpha<sub>1</sub>-fetoprotein in maternal serum using polyethylene glycol, 213
- Radioimmunoassay, cortisol in serum, simple and economical method, 178
- Radioimmunoassay in direct measurement of cGMP in blood plasma and urine, 25
- Radioimmunoassay dose response curves, comparison, calibration of standards, 126
- Radioimmunoassay, evaluation of LKB-Wallac 1270 Rackgamma package, 128
- Radioimmunoassay of gastric inhibitory polypeptide, 172
- Radioimmunoassay in measurement of serum ferritin, 102
- Radioimmunoassay of methotrexate, use of <sup>75</sup>Se-labelled methotrexate, 331
- Radioimmunoassay results, automated calculation, 123
- Radioimmunoassay, Scottish Immunoassay Support Service Quality Control Scheme for thyroxine, triiodothyronine, and digoxin assays, first 18 months experience, 203
- Radioimmunoassay, *see also* Automated calculation
- RAMALHO, V., *see* OWEN, J. S. *et al.*
- RATCLIFFE, J. G., *see* LOGUE, F. C. *et al.*
- RATCLIFFE, J. G., *see* RATCLIFFE, W. A. *et al.*
- RATCLIFFE, W. A., LOGUE, F. C., and RATCLIFFE, J. G.: The Scottish Immunoassay Support Service Quality Control Scheme for thyroxine, triiodothyronine and digoxin assays: analysis of the first 18 months experience, 203
- REDDING, J. H., *see* FRANCOIS, P. E. *et al.*
- Renal allograft rejection, urinary excretion of *N*-acetyl- $\beta$ -D-glucosaminidase in diagnosis, 253
- Renal disorders, significance of blood cadmium concentrations, and the normal population, 197
- Renin, plasma activity, measurement as a valid estimation of plasma angiotensin status, 250
- ROBERTS, N. B.: An improved automated method for the analysis of inorganic phosphate without dialysis, 109
- ROBERTS, R. G., DAVIES, A. G., and JONES, D. D.: Serum deoxycytidylate deaminase activity after myocardial infarction, 316
- ROKOS, J., *see* EDWARDS, R., and ROKOS, J.
- ROULSTON, J. E., MACGREGOR, G. A., ADAM, T., and MARKANDU, D.: Measurement of plasma renin activity as a valid estimation of plasma angiotensin status, 250
- SALWAY, J. G.: Drug interference causing misinterpretation of laboratory results: how to solve the problem, 44
- SAMMONS, H. G., *see* WENHAM, P. R. *et al.*
- Sample admission, on-line work scheduling, and ward requesting pattern information system, 235
- SANDERS, P. G., and EDWARDS, R.: Automated calculation of radioimmunoassay results: summary and conclusions, 135
- Scottish Immunoassay Support Service Quality Control Scheme for thyroxine, triiodothyronine, and digoxin assays, analysis of first 18 months' experience, 203
- SEDDON, R. M., and ATTWOOD, E. C.: Total urine oestriol by a modification of a commercial plasma oestriol kit, 338
- SHACKLETON, C. H. L., *see* TAYLOR, N. F., and SHACKLETON, C. H. L.
- SIMPSON, E., and THOMPSON, D.: An assessment of hospital routine urinalysis: technical note, 241
- SMITH, A. M., THOMPSON, R. A., AUSTIN, R. F., and WILLIS, J. D.: An inexpensive peak height reader for use with continuous flow systems, 233
- SMITH, P. A., *see* MULLIGAN, F. A. *et al.*
- SPENCER, J. D., and ALBUTT, E. C.: A simple method for measuring urinary meglumine ioglycamide concentrations, 184
- StaT<sub>4</sub> (competitive protein binding) and radioimmunoassay, discrepancies between in thyroxine measurement in pregnancy, 208
- STOUT, G., *see* MOULD, G. P. *et al.*
- TAN, B. H. A., *see* WIENER, K., and TAN, B. H. A.



- TAYLOR, N. F., and SHACKLETON, C. H. L.: 15 $\alpha$ -Hydroxy-oestriol and other polar oestrogens in pregnancy monitoring: a review, **1**
- TELLEZ-YUDILEVICH, M., *see* WARD, R. J. *et al.*
- THOMAS, M. J., *see* GOLDIE, D. J., and THOMAS, M. J.
- THOMPSON, D., *see* SIMPSON, E., and THOMPSON, D.
- THOMPSON, R. A., *see* SMITH, A. M. *et al.*
- THOMSON, J. A., *see* BAIRD, S. G. *et al.*
- THOMSON, J. E. *see* BAIRD, S. G. *et al.*
- Thyroxine measurement in pregnancy, discrepancies between competitive protein binding (Oxford StaT<sub>4</sub>) and radioimmunoassay, **208**
- Thyroxine, Scottish Immunoassay Support Service Quality Control Scheme, first 18 months experience, **203**
- Trigg's technique for trend detection used to identify fault in gamma counter, **117**
- Triglyceride analysis, serum, comparison of three automated methods, **18**
- Triiodothyronine, Scottish Immunoassay Support Service Quality Control Scheme, first 18 months' experience, **203**
- TUCKER, S. M., *see* ELLIS, L. *et al.*
- Turbidimetric determination, automated, of serum lipase, **326**
- Urea, comparison of three kits for enzymatic determination, **265**
- Variability, intraperson, magnitude, source, and influence on interpretation and diagnosis, **49**
- VENABLES, G., *see* LANDON, M. J. *et al.*
- Vitamins B and C deficiencies, detection and incidence in alcohol-related illness, **307**
- UNDRILL, P. E., and GIBSON, P.: An on-line work scheduling and ward requesting pattern information system, **235**
- Urinalysis, hospital routine, assessment: technical note, **241**
- WAINWRIGHT, R. S.: Rapid semiautomated method for the differential determination of urinary catecholamines, **93**
- WALKER, M. S., and MCGILP, I.: Excretory patterns of urinary free 11-hydroxycorticosteroids and total oestrogens throughout the normal menstrual cycle, **201**
- WARD, R. J., FISHER, M., and TELLEZ-YUDILEVICH, M.: Significance of blood cadmium concentration in patients with renal disorders or essential hypertension and the normal population, **197**
- WATSON, D., *see* WOODMAN, D. D. *et al.*
- WATSON, R., *see* BAIRD, S. G. *et al.*
- WENHAM, P. R., PRICE, C. P., and SAMMONS, H. G.: A short review of techniques for the localisation of  $\gamma$ -glutamyl transferase isoenzymes after electrophoresis, **146**
- WHEELER, M. J., *see* MENZIES, I. S. *et al.*
- WHICHER, J. T., PERRY, D. E., and HOBBS, J. R.: An evaluation of the Hyland laser nephelometer PDQ system for the measurement of immunoglobulins, **77**
- WHITFIELD, J. B., HENSLEY, W. J., BRYDEN, D., and GALLAGHER, H.: Estimation of alcohol intake from laboratory results, **304**
- WHITFIELD, J. B., HENSLEY, W. J., BRYDEN, D., and GALLAGHER, H.: Some laboratory correlates of drinking habits, **297**
- WIENER, K., *see* LONGLANDS, M. G., and WIENER, K.
- WIENER, K.: A review of methods for plasma paracetamol estimation, **187**
- WIENER, K., and TAN, B. H. A.: A modification of the Cortipac procedure for the estimation of urine free cortisol, **115**
- WILKINS, T. A., CHADNEY, D. C., BRYANT, J., PALMSTRÖM, S. H., and WINDER, R. L.: Non-linear least squares curve fitting of a simple theoretical model using a mini-computer, **130**
- WILLIS, J. D., *see* SMITH, A. M. *et al.*
- WINDER, R. L., *see* WILKINS, T. A. *et al.*
- WOODMAN, D. D., WATSON, D., and HATCH, U.: Noradrenaline to adrenaline ratio in amniotic fluid as an index of fetal maturity, **157**
- YUDILEVICH, M. TELLEZ-, *see* TELLEZ-YUDILEVICH, M.
- ZILVA, J. F.: The origin of acidosis in hyperlactaemia, **40**

